

# Syeda Umm-e-Abiha

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## Profile

As a dedicated and ambitious computer science student, I am passionate about using technology to drive innovation and solve complex problems. With a solid foundation in programming, software development, and problem-solving, I am committed to expanding my knowledge and skills to make a meaningful impact in the field. Throughout my academic journey, I have gained practical experience in various programming languages, including Java, C++, and Python, allowing me to develop robust and efficient programs. I have also honed my skills in database management, algorithms, and data structures, enabling me to design scalable and optimized systems

## Projects

### Library Management System (Python)

Developed a LMS using Python (OOP), with proper file handling and GUI

### 2048 Game (C++)

Console-Based Classic 2048 game. Real-Time Score checking

## Interests

Higher Mathematics Studies,  
Liberal Arts (A Little bit of Everything),  
Cricket, Football

## Languages

English



Urdu



## Education

### Bachelorette in Computer Science | Minor in Mathematics

Forman Christian College (A Chartered University) 📍

2020 – present | Lahore

### F.Sc (Pre-Engineering)

2018 – 2020 | Lahore

### Matriculation

2016 – 2018 | Lahore

## Skills

**Python** (From Structural, OOP to DSA),  
**MS Office** (MS Word, Excel and PowerPoint),

**Strong Math Background** (Advanced Multi-variant calculus, Linear algebra and Statistics),

**Visual Basic** (Basic Structural Coding),  
**C++** (OOP and DSA),

**mySQL** (Managing DBMS through SQL in SSMS),

**Digital/Hardware Logic Design** (Basic knowledge of circuits, gates, encoders, decoders, multiplexers, and demultiplexers.),

**MIPS** (Assembly Language and Memory Handling)

## Professional Experience

### Active Participant in CS Societies

Actively participating in CS/IT societies and communities within the University.

### Captain of FCC Girls Cricket Team

Active participant in Forman Sports. Won multiple tournaments and medals.